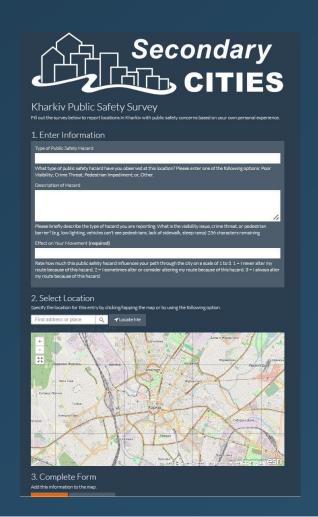






New Data Collection Tools: GeoForm

Crowdsource your data via online forms













GeoForm: What is it?



A GeoForm is a tool for ArcGIS Online.



It is a configurable template for editing an online data layer through a form.

Users simply enter data online through a form, they do not need to know how to edit a web map or have an account login.











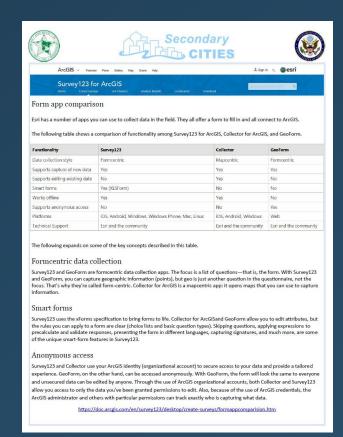
GeoForm: How is it different?



How is a GeoForm different from the other tools we've used?

Think of a GeoForm as a website based version of a Survey123 form, requiring NO login.

Anyone with the web address can access the survey and submit data – this is a data CROWDSOURCING tool!













GeoForm: Pros & Cons



PROS:

- Expand data collection
- Validate project data with information from the public
- Only need a web browser

CONS:

- Does not work offline
- Does not work well for field data collection
- ArcGIS Online account required to set up form











GeoForm: Examples Dogs Around the World



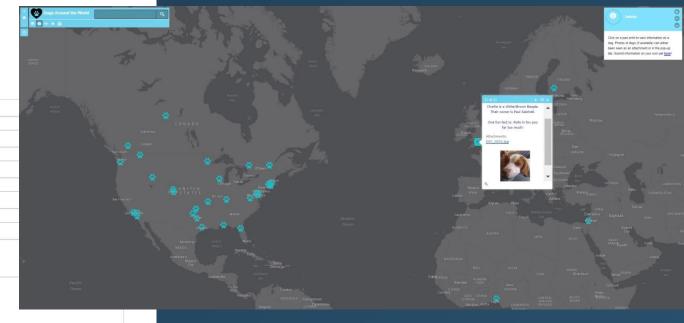


Dogs Around the World Survey

If you would like to view the results of this survey, please click here.

Thank you for your participation!

Owner's Name (required)		
Dog's Name (required)		
Dog Breed		
Fur Color		
Fun Fact		
256 characters remaining		









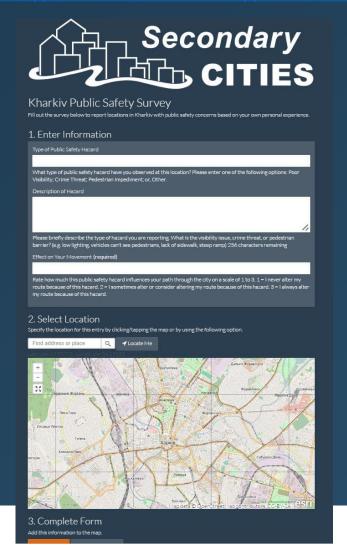




GeoForm: Examples Kharkiv Public Safety Survey



https://sckharkiv.maps.arcgis.com/apps/GeoForm/index.html?appid=09a612103baf4766aaffa41a8660a65c









GeoForm: Resources



ArcGIS.com GeoForm Overview:

https://www.arcgis.com/home/item.html?id=931 653256fd24301a84fc77955914a82

Live Demo – 'Rate the GeoForm' Example http://esri.github.io/geoform-template-js/







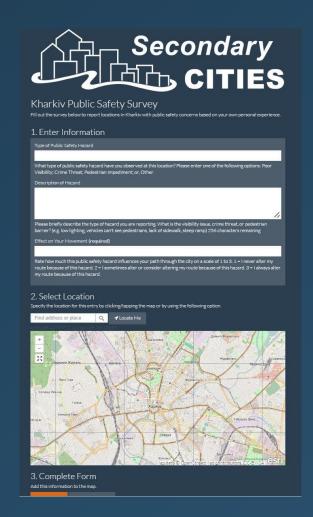


Build a GeoForm



Three Steps:

- Create a new data layer
- Create a web map with that data layer
- Customize the GeoForm Web App













Create a new data layer

- Create the data layer that will be on your web map and will capture submitted responses
- Create new layer with fields and settings that match the data you will collect
- You can later use this layer in multiple web maps and apps













Create a new layer

Log in with your AGOL account to developers.arcgis.com

a) Browse to <u>developers.arcgis.com</u>.



b) At the top of the page, click Sign In and sign in using your ArcGIS Online account







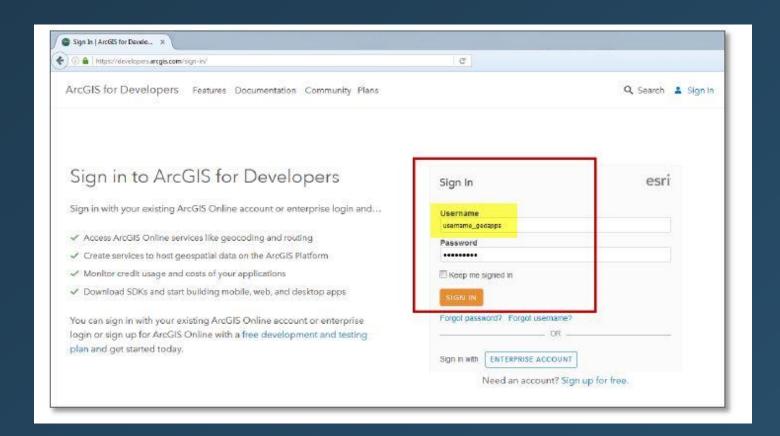






Create a new layer

Log in with your AGOL account to developers.arcgis.com















Create a new layer

Click on the Layers menu, then 'Create New Layer'

c) At the top right of the window, click the Layers button. Q Search ArcGIS for Developers Features Documentation Community Applications d) Click Create New Layer. **R** Lavers Create New Layer













Create a new layer

Enter the Details of your new layer, including field names and data type

lew Layer Details	A layer's title and description can mal easier to understand what a layer is fo
itle	required and where the data came from, later of Tags are used to help group multiple
My Cool Layer http://services1.arcgis.com/EAhKCspn04W45w4b/arcgis/rest/services//FeatureServer	layers thematically, and help with discoverabillity later on.
ags .	A layer can only contain a single geometry type. This makes defining
geojson, javascript, analysis	complex renderers possible.
escription An example of a short description explaining this layer's purpose.	
	<i>h</i>













Create a new layer

Enter the Details of your new layer, including field names and data type

Field Name String Required Add	A layer needs at least one field. Fields define the structure of the data for each feature in the layer. The alias is a human readable key of the field name.
Layer Properties	These options are for more complex use cases. They can be changed later on.
Layer Properties Enable the layer to be taken offline to allow it to be viewed, edited, and synchronized. Allow attached images and other files to individual features.	
Create Layer	













Create a web map

Open your new layer in ArcGIS Online, Open in Map Viewer

Layer URL:				
ggreen er verster verster vers	6.arcgis.com/zHO2ebF	R1OMaNTER5/arcs	曲	
1	Share			
	Open in ArcGIS O	nline	>	
	Open in Map Vie	wer		
	View Service			









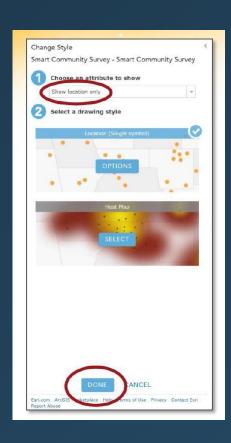


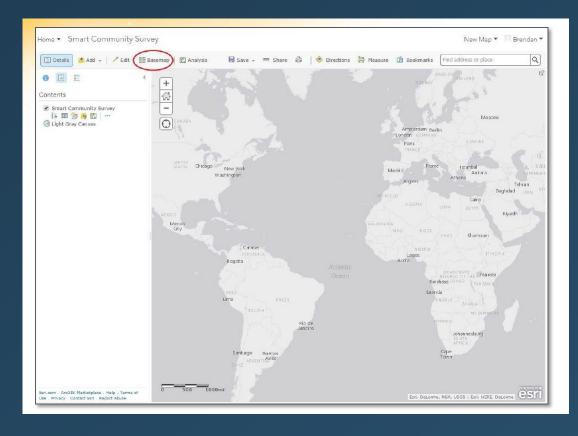




Create a web map

Change the map style, base map, and focus area











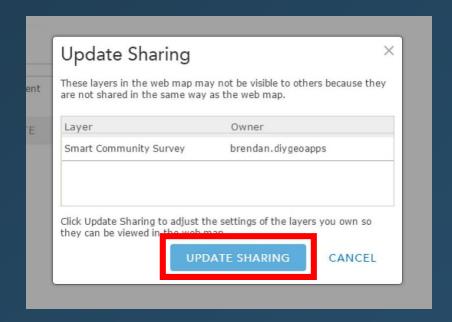






Create a web map SAVE and SHARE your map









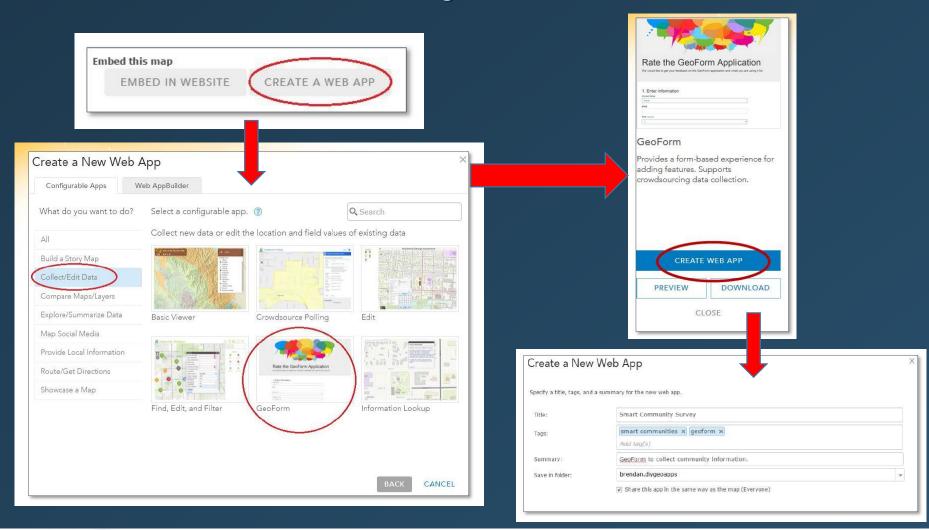






Build a GeoForm: Step 3 Customize your GeoForm

















Follow the GeoForm Builder

- Select to use the WebMap you just made
- Select to use your new layer as your Editable Layer
- Select the Fields from your layer to use.
 Configured these (enter your form questions).











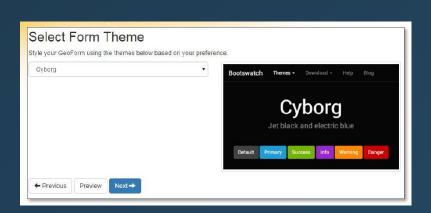






Follow the GeoForm Builder

Select a Theme, Configure the Viewer, Choose Options



Enable offlir	ne support
	ons when there is no network connection and submit them when a connection is restored.
Show Layer	
You can config	ure the GeoForm to Show/Hide Layer. This option only applies to a single layer setup.
Social media	a sharing buttons
Social media bi	uttons allow your audience to easily share your GeoForm once they have made a submission
Default Map	Extent
The map will re	set to the default extent in your web map after submission - this can be disabled at any time.
Locate On L	oad
You can config	ure the GeoForm to use the current location on page load
Show Baser	nap Toggle
You can config	ure the GeoForm to Show/Hide the Basemap Toggle
Push pin	
Blue ▼	0
	variety of colors for the map pushpin, it should be different from the map symbology to help the user put th
submission on	
Select Location	on By
My Location	
Search	
	ongitude Coordinates
USNG Coon	2000 To
MGRS Coor	dinates
UTM Coord	nates
	select a location using these methods.





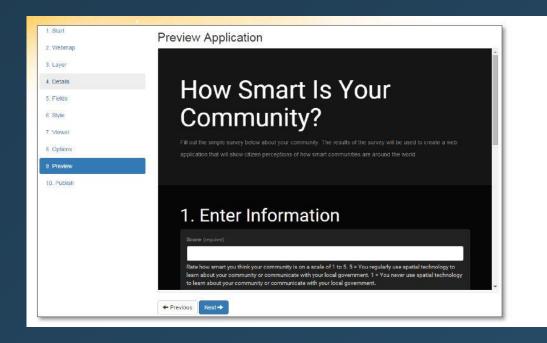


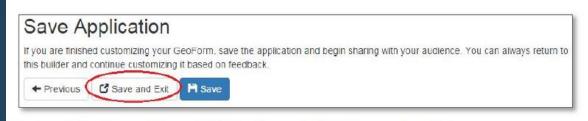






Follow the GeoForm Builder Preview, Save & Exit















GeoForm Demo: Kharkiv Public Safety Survey



Secondary CITIES Kharkiv Public Safety Survey
Fill out the survey below to report locations in Kharkiv with public safety concerns based on your own personal experience.
Enter Information Type of Public Safety Hazard
What type of public safety hazard have you observed at this location? Please enter one of the following options: Poor Visibility, Crime Threat; Pedestrian Impediment, or, Other. Description of Hazard
Please briefly describe the type of hazard you are reporting. What is the visibility issue, crime threat, or pedestrian barrier? (e.g. low lighting, vehicles can't see pedestrians, lack of sidewalk, steep ramp) 256 characters remaining Effect on Your Movement (required)
Rate how much this public safety hazard influences your path through the city on a scale of 1 to 3.1 – I never alter my route because of this hazard. 2 – I sometimes after or consider aftering my route because of this hazard. 3 – I always after my route because of this hazard.
Select Location Specify the location for this entry by clicking/tapping the map or by using the following option.
Find address or place Q
Amen's squerous (June 1 squerous) Support States (Support States) Supp
3. Complete Form Add this information to the map.







